

MATERIAL SAFETY DATA SHEET

SECTION1: MATERIAL IDENTIFICATION AND USE		FLAMMABILITY HEALTH	REACTIVITY PERSONAL PROTECTION
Material Name Identifier : POWER STEERING FLUID			
Manufacturer's Name: QUALITY LIQUID PACKAGING			
Address: 50 Tiffield Road Unit 9			
City: Toronto	Province: Ontario		
Postal Code: M1V 5B7	Emergency Telephone# (416) 609-0828		
Trade Name & Synonyms R460,R461,R462,R463		Material Use	

SECTION 11 – HAZARDOUS INGREDIENTS OF MATERIAL

Hazardous Ingredients	Approximate Concentration %	C.A.S.N.A or U.N Numbers	Exposure Limits	LD50 LC50
Severely refined Petroleum Base Stocks Performance Additive(CASRN NA MIXTURE) Dibutyl phthalate Product contains No materials currently classified as carcinogenic per the annual report of the national toxicology Program) C<Group1,2A or 2B	60-100 10-30 0.1-1	6472-54-7,72623-83-7 72326-84-8, 72623-85-9 72623-86-0, 72632-87-1 1 (CASRN 84-74-2	PEL/TWA 5gm/m3,mist (OSHA,ACGIN) STEL:10mg/3m mist(ACGIH) PEL/TWA:5mg/m3 (OSHA,ACGIH)	Oral rate::5g/kg Inhalation 4hr Rate500mg/m3 Oral rate:1280mg/kg Inhalation 4hr rate:7900

SECTION 111 –PHYSICAL DATA FOR MATERIAL

Physical State: Gas{ } Liquid{x} Solid{}	Odour and Appearance: Clear amber liquid mild Petroleum odor	Odour Threshold (ppm) unknown	Specific Gravity (water-1): 0.87
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MATERIAL SAFETY DATA SHEET

Vapour Pressure: (mm.HG a 25°C):MD	Vapour Density Air=1>1	Evaporation: Rate (BuA-1) <0.1	Boiling Point (°C) >500°F(260°C)	Freezing Point (°C) ND
Solubility in Water: Negligible	% Volatile(by volume) Negligible	PH : N/A	Density(g/m)- 100CsSt,7.0min	Coefficient of Water/Oil distribution: ND

Section 1V –FIRE AND EXPLOSION HAZARD OF MATERIAL

Flammability	If Yes , Under which conditions		Yes{X} No{ }	If exposed to
flame or heat sources.				
Means of Extinction: CO ₂ Dry chemical of foam. Water can be used to cool and protect exposed material.				
Special Producers: Material must be preheated to burn. Do not enter confined areas without full protective equipment including a positive pressure. NIOSH approved self –contained breathing apparatus. Cool fire exposed containers with water.				
Flash Point (°C)and method: 92°C 197.6°F PMCC (Typical)	Upper Explosion Limit (%by volume) ND	Lower Explosion Limit (% by volume)ND		
Auto Ignition Temperature(°C) ND	Flammability classifications	Hazardous combustion Products.		
Explosion Data: Material does not have explosive properties.	Rate Of Burning	Explosive Power	Sensitivity to static discharge.	

SECTION V-REACTIVITY DATA

Chemical Stability	Yes{x} No{ }
Incompatibility to other substances	If so which ones? Oxidizers, Heat or open flames
Yes{x} No{ }	
Reactivity and under what conditions: Fire if exposed to heat source or open flame.	
Hazardous Decomposition Products: Smoke, Carbon monoxide, Carbon dioxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may be released.	

SECTION VI – TOXICOLIGICAL PROPERTIES OF PRODUCT

Toxicity date for similar material is listed below			
Primary Route of Entry:{X}Skin contact {X} Skin absorption { } Eye contact { } Inhalation Acute { }Ingestion			
Effects of Acute Exposure to Product: Eyes weak to moderate eye irritant. Skin not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying and cracking of the skin.	Irritancy of Product	Exposure limits of products	See section II
Effects of chronic repeated occupational	Sensitization of Product	Synergistic of materials	Mutagenicity

MATERIAL SAFETY DATA SHEET

exposure to tricresyl phosphate over a prolonged period of time may cause delayed neurotoxicity characterized by ataxia and tremors.	Reproductive effects ND	Teratogenicity ND	ND
Carcinogenicity this product is formulated with mineral oils which are considered to be severely refined and not considered to be carcinogenic under LARC .All of the oils in this product have been demonstrated to contain less than 3% extractable by the IP346 rest.			

SECTION VII – PREVENTITIVE MEASURES

Personal Protection Equipment: Proper ventilation. Neoprene protective gloves should be worn and safety glasses. If potential for splash or mist wear chemical goggles or face shield.
Spills and or leaks Procedures: Stop source of leak if possible, prevent entry into waterways and sewers. Use absorbent material and dispose of in accordance with your environmental legislation.
Storage Requirements: Use tight containers keep away from open flames and other sources of heat should be kept cool.

SECTION VIII – FIRST AID MEASURES

EYE: Flush eyes with cold water for 15 minutes get immediate medical attention.
SKIN: Remove any contaminated clothing. Wash immediately with soap and water and rinse with large amounts of water.
INHALATION: Remove exposed person to fresh air. If breathing is labored administer oxygen, if breathing has stopped apply artificial respiration. If irritation persists or if toxic symptoms are observed get medical attention.
INGESTION: DO NOT INDUCE VOMITING. If conscious give 1 glass of water. Get immediate medical attention. If vomiting occurs naturally, you should lean forward to reduce the risk of aspiration
GENERAL ADVICE: Always employ caution and get medical help for any serious exposure.

SECTION IX – PREPARATION OF M.S.D.S.

THIS MSDS WAS PREPARED ON July 01, 2012
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